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Study build station data: LMS TV 2021-05-27

Proposal: WDYL-LD D15 LD CP LOUISVILLE, KY
File number: BLANK0000143175
Facility ID: 38464
Station data: User record
Record ID: 922
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W14EV-D	D14	LD	CP	EVANSVILLE, IN	BNPDTL20090825AXM	142.2 km
No	WLKY	D14	DT	LIC	LOUISVILLE, KY	BLANK0000088726	1.0
No	WDYC-LD	D14	LD	CP	CINCINNATI, OH	BLANK0000145362	140.1
No	WAFF	D15	DT	LIC	HUNTSVILLE, AL	BLANK0000111344	410.9
No	W15BU-D	D15	DC	CP	JOHNSON CITY, IL	BLANK0000035857	276.3
No	W15BU-D	D15	DC	LIC	JOHNSON CITY, IL	BLDTA20090804AAF	276.3
No	WICS	D15	DT	LIC	SPRINGFIELD, IL	BLANK0000117321	350.9
Yes	WYYW-CD	D15	DC	LIC	EVANSVILLE, IN	BLDTA20130109AGB	131.8
Yes	WTTK	D15	DT	LIC	KOKOMO, IN	BLANK0000093987	172.2
Yes	WREP-LD	D15	LD	LIC	MARTINSVILLE, IN	BLDTL20090710AEP	130.0
Yes	WLCU-CD	D15	DC	LIC	CAMPBELLSVILLE, KY	BLANK0000086921	121.1
Yes	WXIX-TV	D15	DT	LIC	NEWPORT, KY	BLANK0000087069	140.1
No	WPBM-CD	D15	DC	LIC	SCOTTSVILLE, KY	BLANK0000087303	171.6
No	KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDT20090623ABU	441.8
No	K15KP-D	D15	LD	LIC	ST. LOUIS, MO	BLANK0000079901	391.5
No	WQMC-LD	D15	LD	LIC	COLUMBUS, OH	BLANK0000107808	299.2
No	WOHL-CD	D15	DC	LIC	LIMA, OH	BLANK0000140190	305.7
No	WQCW	D15	DT	LIC	PORTSMOUTH, OH	BLANK0000100248	315.6
No	W15ER-D	D15	LD	CP	ALGOOD, TN	BLANK0000145934	244.3
No	WCNT-LP	D15-	LD	CP	CHATTANOOGA, TN	BLANK0000051756	340.2
Yes	WTNZ	D15	DT	LIC	KNOXVILLE, TN	BLANK0000081278	311.7
No	WDNI-CD	D16	DC	LIC	INDIANAPOLIS, IN	BLANK0000086458	160.8
No	WBKI	D16	DT	CP	SALEM, IN	BLANK0000127492	1.9
No	WBKI	D16	DT	LIC	SALEM, IN	BLANK0000087860	1.9
No	W16CZ-D	D16	LD	CP	TERRE HAUTE, IN	BNPDTL20100128AHQ	165.6
No	W16EB-D	D16	LD	LIC	AUGUSTA, KY	BLANK0000087495	165.2
No	W16EI-D	D16	LD	CP	BOWLING GREEN, KY	BNPDTL20090825BHZ	133.7
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	259.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Full Service
Latitude: 38 21 55.20 N (NAD83)
Longitude: 85 50 24.20 W
Height AMSL: 379.5 m
HAAT: 0.0 m
Peak ERP: 13.5 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.5 kW	170.4 m	50.0 km
45.0	13.5	227.1	53.3
90.0	13.5	227.2	53.3
135.0	13.5	241.2	54.1
180.0	13.5	234.9	53.8
225.0	13.5	125.7	47.0
270.0	13.5	141.6	48.1
315.0	13.5	126.9	47.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 187 m

Distance to Canadian border: 454.5 km

Distance to Mexican border: 1709.6 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 358.9 degrees Distance: 471.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 282.8 degrees Distance: 1676.7 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 1.00 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

----- Below is IX received by proposal BLANK0000143175 -----

Proposal receives 13.69% interference from scenario 1

Proposal receives 12.92% interference from scenario 2

No IX check failures found.